

Appl. No. 09/941,934
Amdt. dated September 3, 2004
Reply to Office action of June 3, 2004

Amendments to the Specification:

Please replace paragraph [0092], with the following amended paragraph:

[0092] As shown in Figure 4b two gas ports 143 and 144 are provided on the plane portion 154 of the connection portion 141 of the first end housing 140. As seen in Figure 10, The ~~the~~ two gas ports 143 and 144 are in fluid communication with the inner chamber 160 of the connection portion 141. In the radial direction of flow, the gas port 143 is in fluid communication with the following components: the first inner space 440, the plurality of gas dispersion holes 251, the inner bore 214, the slot 213, and, with appropriate rotation of the fluid stream diverter 200, as will hereinafter be described, the plurality of openings 156, the plurality of chambers 150, and the central housing 120. The gas port 144 is in fluid communication with the following components: the second inner space 441, the slot 211, the slot 212, and, with appropriate rotation of the fluid stream diverter 200, as will hereinafter be described, the plurality of openings 156, the plurality of chambers 150, and the central housing 120. In the same manner, the central housing 120 is in fluid communication with the second end housing 140'.

Please replace paragraph [0102], with the following amended paragraph:

[0102] A second gas stream 20' enters the enthalpy wheel assembly 100 through gas port 144' of the second end housing ~~160~~140', and flows into the second inner space 441'. From here, the second gas stream 20' passes through slots 211' and 212', respectively. The second gas stream 20' then flows into one of chambers 150' via a respective opening 156' when the fluid stream diverter 200' rotates into a position where slot 212' fluidly communicates with one of the openings 156'. Next, the second gas stream 20' flows along the plurality of media

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channels in one of the cavities 301 of the central housing 120 to a corresponding chamber 150 of the first end housing 140. As the second gas stream 20' flows along the channels heat and humidity is transferred to it as described above for the embodiment of Figure 10. From here, the second gas stream 20 flows through opening 156, slots 212 and 211 respectively, and enters the second inner space 441 of the first end housing 140. Next, the second gas stream 3020' exits the enthalpy wheel assembly 100 through gas port 144, and passes into an external duct (not shown).

Please replace paragraph [0104], with the following amended paragraph:

[0104] It is also understood that although in the above embodiments, the central housing 120, the connection portions 142, 142'141, 141', the dispersion portions 143, 143'142, 142' of the end housings 140, 140', and the first, second and third segments 220, 240, 260 are all described as cylindrical in shape, the actual shape may vary as required. These components may have different perimetrical extents at different axial positions thereof. Therefore, the words "diameter" and "radial" as used in this disclosure do not limit the shape of the components.

Please replace the **abstract**, with the following amended abstract:

A regenerative energy and/or mass exchange assembly is provided. The regenerative assembly comprises: an exchange media; a first flow path to pass a fluid stream through the exchange media; at least a second flow path to pass a further fluid stream through the exchange media; and at least one fluid stream diverter to divert the different flow paths to pass the respective fluid streams through different regions of the exchange media. A method for operating the regenerative assembly is also provided.